

NEW EverGreen HP
High repetition rate dual pulse laser

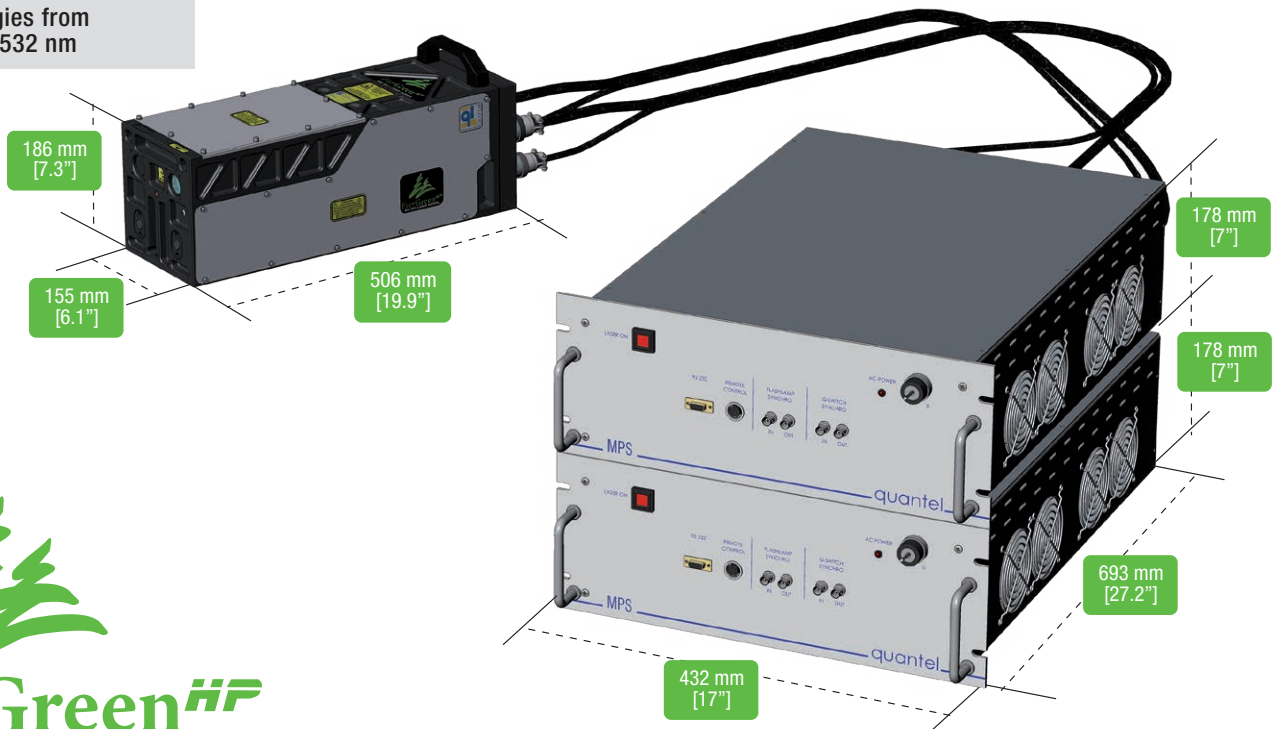
State of the art
lasers for PIV



- Double pulse 532 nm flashlamp pumped pulsed solid state lasers
- Sealed head design for operation in various environments
- Specified beam overlap
- Fixed repetition rate models from 100 to 200 Hz
- With pulse energies from 100 to 50 mJ @ 532 nm

Laser head 11.1 kg [24.5 lbs]

Power supply 2 x 27.5 kg [2 x 60.5 lbs]




EverGreen^{HP}

Specifications

Model	EHP100	EHP150	EHP200
REPETITION RATE [Hz]	100	150	200
PULSE ENERGY [mJ]			
532 nm	100	75	50
PULSE WIDTH [ns]			
532 nm	< 15		
ENERGY STABILITY [% rms]			
532 nm	< 2		
BEAM DIAMETER [mm]			
532 nm	< 6		
DIVERGENCE [mrad]			
	< 6		

TRANSVERSE MODE	Multiple
RESONATOR CONFIGURATION	Stable
POLARIZATION DIRECTION	
532 nm	H
SPECTRAL PURITY	
532 nm	> 98 %
MINIMUM PULSE DELAY [ns]	300

POWER	2 x 3 Phase 200 - 240 VAC, 50/60 Hz
COMPUTER INTERFACE	RS232
OPERATING TEMPERATURE [°C]	10 - 30
STORAGE TEMPERATURE [°C]	5 - 50
CABLE LENGTH	3 m [10 ft]

Chiller	
DIMENSIONS	544 x 706 x 810 mm [21.4 x 27.8 x 31.9 inch]
WEIGHT	123 kg [270 lbs]
POWER	208/230 VAC, single phase, 18 A
HOSES	10 m [33 ft]

Water-to-water cooling available as an option

